

What is claimed is:

- 1 1. A method for controlling a device using mixed manual and spoken input
2 comprising:
3 prompting a user of the device using a combination of a visual prompt and an audible
4 prompt, including
5 presenting a set of input choices,
6 accepting a command from the user to provide an audible prompt, and
7 in response to said command, playing an audible prompt that identifies one or
8 more of the set of input choices; and
9 accepting an input from the user in response to the visual and audible prompts.
- 1 2. The method of claim 1 wherein presenting the set of input choices includes
2 graphically presenting a list of the set of choices.
- 1 3. The method of claim 1 wherein presenting the set of input choices includes
2 audibly presenting a list of the set of choices
- 1 4. The method of claim 1 wherein accepting the command from the user to provide
2 an audible prompt includes accepting a manual command.
- 1 5. The method of claim 1 wherein accepting the command from the user to provide
2 an audible prompt includes accepting a spoken command.
- 1 6. The method of claim 1 wherein playing the audible prompt includes playing an
2 audible representation of the one or more of the choices.
- 1 7. The method of claim 6 wherein playing the audible representation of the choices
2 includes playing a spoken description of the choices.
- 1 8. The method of claim 7 wherein playing the audible representation of the choices
2 further includes applying a speech synthesis algorithm to produce the spoken description.

1 9. The method of claim 7 wherein playing the audible representation of the choices
2 further includes accessing a stored audio representation of the spoken description.

1 10. The method of claim 7 wherein playing the audible representation of the choices
2 further includes receiving data characterizing the spoken description from a remote location

1 11. The method of claim 1 wherein accepting the input in response to the visual and
2 audible prompts includes accepting a manual input.

1 12. The method of claim 1 wherein accepting the input in response to the visual and
2 audible prompts includes accepting a spoken input.

1 13. The method of claim 1 further comprising monitoring a condition of an
2 environment of the device, and wherein accepting the input from the user includes limiting an
3 input mode according to the environment.

1 14. The method of claim 13 wherein limiting the input mode includes rejecting
2 manual input.

1 15. The method of claim 13 wherein limiting the input mode includes rejecting
2 spoken input.

1 16. The method of claim 13 wherein the environment of the device includes a motor
2 vehicle and monitoring the condition of the environment includes monitoring the speed of the
3 vehicle.

1 17. The method of claim 14 wherein limiting the input mode includes rejecting
2 manual input when the speed of the vehicle exceeds a threshold speed.

1 18. A mobile device comprising:
2 a user interface including, a graphical display, a manual input device, an audio output
3 device, and an audio input device;
4 a controller coupled to the user interface configured to
5 prompt a user of the device using the graphical display and the audio output
6 device, including displaying a visual prompt that identifies a set of input choices on the graphical
7 display, accepting a command from the user to provide an audible prompt, and in response to
8 said command, playing an audible prompt using the audio output device that identifies one or
9 more of the set of input choices, and
10 accept an input from the user in response to the visual and audible prompts.